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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Giampiero ANTONELLI et al.

Patent No: 7,010,987 B2

Issue Date: March 14, 2006

Application No.: 10/697,150

Filed: October 31, 2003

For: NON-DESTRUCTIVE METHOD OF  
DETECTING DEFECTS IN BRAZE-  
REPAIRED CRACKS



Mail Stop: OFFICE OF PETITIONS

**PETITION TO CORRECT ASSIGNEE UNDER 37 CFR 3.81(b)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Patentees hereby petition for issuance of a Certificate of Correction listing the correct Assignee for the above-captioned patent. Please be advised that the Assignee's name submitted on the PTOL-85 filed on December 30, 2005, was incorrect. Applicants submit herewith the following:

1. The processing fee as set forth in 37 C.F.R. § 1.117(h) in the amount of \$130.00 is enclosed herewith.
2. Applicants request that the above-identified patent be corrected to state the correct name of the Assignee: ALSTOM Technology Ltd.
3. The Assignment of the above-identified patent was submitted for recordation before the issuance of the patent. An Assignment of rights in this application was made by Alstom (Switzerland) Ltd. to Alstom Technology Ltd. A copy of the Notice of Recordation of the Assignment Document regarding this

02/03/2009 ANDDAF1 00000035 7010987

02 FC:1464

130.00 OP

transfer, which was recorded on August 29, 2004, at Reel 015083, Frame 0641, is submitted herewith.

4. A Request for a Certificate of Correction under 37 C.F.R. § 1.323 accompanied by the fee set forth in 37 C.F.R. § 1.20(a) is also attached.

The Director is hereby authorized to charge any additional fees that may be required, and to credit any overpayment, to Deposit Account No. 02-4800.

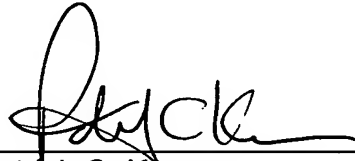
Respectfully submitted,

BUCHANAN INGERSOLL & ROONEY PC

Date:

2/2/09

By:



Patrick C. Keane

Registration No. 32,858

P.O. Box 1404  
Alexandria, Virginia 22313-1404  
703 836-6620

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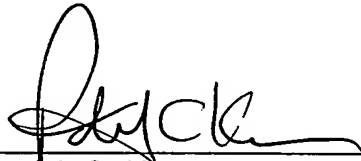
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1. The processing fee as set forth in 37 C.F.R. § 1.117(h) in the amount of \$130.00 is enclosed herewith.
2. Applicants request that the above-identified patent be corrected to state the correct name of the Assignee: ALSTOM Technology Ltd.
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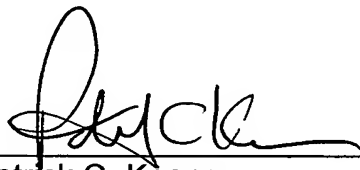
4. A Request for a Certificate of Correction under 37 C.F.R. § 1.323 accompanied by the fee set forth in 37 C.F.R. § 1.20(a) is also attached.

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Respectfully submitted,

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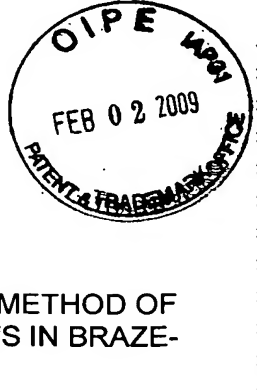
In re Patent of

Giampiero ANTONELLI et al.

Patent No.: 7,010,987 B2

Issued: March 14, 2006

Title: NON-DESTRUCTIVE METHOD OF  
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REPAIRED CRACKS



REQUEST FOR CERTIFICATE OF CORRECTION

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Issuance of a Certificate of Correction for the above-captioned patent is respectfully requested in accordance with the accompanying Form PTO-1050 (submitted in duplicate).

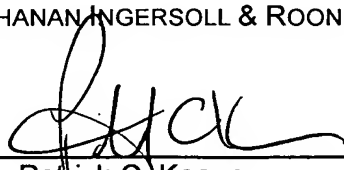
- ☒ The requisite government fee of \$100:
- ☐ is submitted herewith;
  - ☐ is authorized to be charged to Deposit Account No. 02-4800; or
  - ☒ charge to credit card. Form PTO-2038 is attached.
- ☐ It is believed that payment of a fee is unnecessary.

The Director is hereby authorized to charge any appropriate fees under 37 C.F.R. § 1.20(a) that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

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BUCHANAN INGERSOLL & ROONEY PC

Date: 2/2/09

By:   
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Alexandria, VA 22313-1404  
703 836 6620

02/03/2009 AWONDAF1 00000035 7010987  
01 FC:1811

100.00 OP



Patent  
Attorney's Docket No. 1033275-000413

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In re Patent of

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Patent No.: 7,010,987 B2

Issued: March 14, 2006

Title: NON-DESTRUCTIVE METHOD OF  
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Commissioner for Patents  
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- ☐ is submitted herewith;
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  - ☒ charge to credit card. Form PTO-2038 is attached.
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Respectfully submitted,

BUCHANAN INGERSOLL & ROONEY PC

Date: 2/2/09

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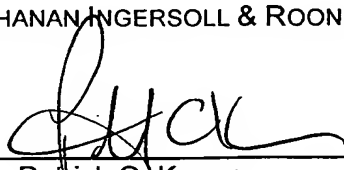
- ☒ The requisite government fee of \$100:
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Date: 2/2/09

By:   
Patrick C. Keane  
Registration No. 32,858

P.O. Box 1404  
Alexandria, VA 22313-1404  
703 836 6620

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,010,987 B2  
DATED : March 14, 2006  
INVENTOR(S) : Giampiero ANTONELLI et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

---

Item 73 (Assignee): change "ALSTOM (Switzerland) Ltd." to --ALSTOM Technology Ltd--.

---

MAILING ADDRESS OF SENDER: 1033275-000413

PATENT NO. 7,010,987

BUCHANAN INGERSOLL & ROONEY PC  
P.O. Box 1404  
Alexandria, VA 22313-1404



No. of additional copies

1

SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450



**UNITED STATES PATENT AND TRADEMARK OFFICE**

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND  
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

JUNE 26, 2004

PTAS

BURNS, DOANE, SWECKER & MATHIS, L.L.P.  
ROBERT S. SWECKER  
P.O. BOX 1404  
ALEXANDRIA, VIRGINIA 22313-1450



\*102626616A\*

**UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT**

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 12/08/2003

REEL/FRAME: 014770/0783  
NUMBER OF PAGES: 5

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).  
DOCKET NUMBER: 033275-002

**ASSIGNOR:**

ALSTOM (SWITZERLAND) LTD

DOC DATE: 11/01/2003

**ASSIGNEE:**

ALSTOM TECHNOLOGY LTD  
BROWN BOVERI STRASSE 7  
CH-5400 BADEN, SWITZERLAND

*made*  
✓ SERIAL NUMBER: 09758187

PATENT NUMBER:

TITLE: COOLING-AIR COOLER FOR A GAS-TURBINE PLANT AND USE OF SUCH A.  
COOLING-AIR COOLER

FILING DATE: 01/12/2001

ISSUE DATE:

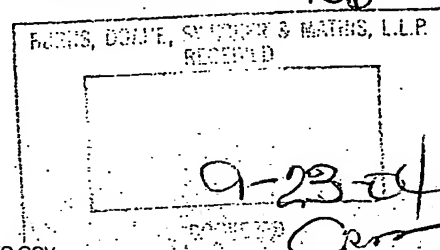
✓ SERIAL NUMBER: 10204479

PATENT NUMBER:

TITLE: ROTOR FOR A GAS TURBINE

FILING DATE: 10/31/2002

ISSUE DATE:



- ✓ SERIAL NUMBER: 10261412 FILING DATE: 10/02/2002  
PATENT NUMBER: 6657129 ISSUE DATE: 12/02/2003  
TITLE: METHOD AND DEVICE FOR FIXING A CERAMIC COMPONENT IN A METALLIC SUPPORT
- ✓ SERIAL NUMBER: 10014399 FILING DATE: 12/14/2001  
PATENT NUMBER: 6655911 ISSUE DATE: 12/02/2003  
TITLE: STATOR VANE FOR AN AXIAL FLOW TURBINE
- ✓ SERIAL NUMBER: 10442979 FILING DATE: 05/22/2003  
PATENT NUMBER: ISSUE DATE:  
TITLE: TIP MATERIAL FOR A TURBINE BLADE AND METHOD OF MANUFACTURING OR REPAIRING A TIP OF A TURBINE BLADE
- ✓ SERIAL NUMBER: 10410296 FILING DATE: 04/10/2003  
PATENT NUMBER: ISSUE DATE:  
TITLE: DEVICE FOR REMOVING CARBON DIOXIDE FROM EXHAUST GAS
- ✓ SERIAL NUMBER: 09852787 FILING DATE: 05/11/2001  
PATENT NUMBER: 6645416 ISSUE DATE: 11/11/2003  
TITLE: INSULATION OF STATOR WINDINGS BY INJECTION MOLDING
- ✓ SERIAL NUMBER: 09852788 FILING DATE: 05/11/2001  
PATENT NUMBER: ISSUE DATE:  
TITLE: INSULATION OF STATOR WINDINGS WITH SHRINK-ON SLEEVES
- ✓ SERIAL NUMBER: 09852758 FILING DATE: 05/11/2001  
PATENT NUMBER: ISSUE DATE:  
TITLE: INSULATION OF COILS
- ✓ SERIAL NUMBER: 09873373 FILING DATE: 06/05/2001  
PATENT NUMBER: ISSUE DATE:  
TITLE: METHOD FOR COOLING A GAS TURBINE SYSTEM AND A GAS TURBINE SYSTEM FOR PERFORMING THIS METHOD
- ✓ SERIAL NUMBER: 09874113 FILING DATE: 06/06/2001  
PATENT NUMBER: 6657330 ISSUE DATE: 12/02/2003  
TITLE: TURBO GENERATOR WITH A ROTOR WITH DIRECT GAS COOLING
- ✓ SERIAL NUMBER: 09880864 FILING DATE: 06/15/2001  
PATENT NUMBER: ISSUE DATE:  
TITLE: METHOD FOR VISUALIZING AND PROCESSING PROCESS RUNS, AND A COMPUTER PROGRAM FOR SIMULATING THE SAME
- ✓ SERIAL NUMBER: 09969769 FILING DATE: 10/04/2001  
PATENT NUMBER: ISSUE DATE:  
TITLE: PROCESS FOR THE REGENERATION OF A CATALYST PLANT AND APPARATUS FOR PERFORMING THE PROCESS
- ✓ SERIAL NUMBER: 09969026 FILING DATE: 10/03/2001  
PATENT NUMBER: 6676897 ISSUE DATE: 01/13/2004  
TITLE: HIGH-TEMPERATURE ALLOY

SERIAL NUMBER: 09970776 FILING DATE: 10/05/2001  
PATENT NUMBER: ISSUE DATE:  
✓ TITLE: DEVICE AND METHOD FOR THE ELECTROSTATIC ATOMIZATION OF A LIQUID MEDIUM

SERIAL NUMBER: 09973868 FILING DATE: 10/11/2001  
PATENT NUMBER: ISSUE DATE:  
TITLE: BURNER

SERIAL NUMBER: 09988313 FILING DATE: 11/19/2001  
PATENT NUMBER: 6739594 ISSUE DATE: 05/25/2004  
✓ TITLE: SEALING ARRANGEMENT BETWEEN COMPONENTS OF A ROTATING ASSEMBLY AS WELL AS A METHOD FOR PRODUCING A SEALING JOINT

SERIAL NUMBER: 09996876 FILING DATE: 11/30/2001  
PATENT NUMBER: ISSUE DATE:  
✓ TITLE: DEVICE FOR PROCESSING AN ELECTRICALLY CONDUCTIVE COMPONENT

SERIAL NUMBER: 09988405 FILING DATE: 11/19/2001  
PATENT NUMBER: ISSUE DATE:  
TITLE: ROTOR FOR AN ELECTRICALLY ROTATING MACHINE

✓ SERIAL NUMBER: 09993676 FILING DATE: 11/27/2001  
PATENT NUMBER: 6703752 ISSUE DATE: 03/09/2004  
TITLE: STATOR WINDING BAR FOR AN ELECTRICAL MACHINE

✓ SERIAL NUMBER: 09996694 FILING DATE: 11/30/2001  
PATENT NUMBER: 6711805 ISSUE DATE: 03/30/2004  
TITLE: PROCESS FOR THE PRODUCTION OF A ROTOR, CONTAINING PERMANENT MAGNETS, OF A SYNCHRONOUS MACHINE, AND ROTOR PRODUCED ACCORDING TO THIS PROCESS

✓ SERIAL NUMBER: 09991970 FILING DATE: 11/26/2001  
PATENT NUMBER: 6644920 ISSUE DATE: 11/11/2003  
TITLE: METHOD FOR PROVIDING A CURVED COOLING CHANNEL IN A GAS TURBINE COMPONENT AS WELL AS COOLABLE BLADE FOR A GAS TURBINE COMPONENT

✓ SERIAL NUMBER: 09991991 FILING DATE: 11/26/2001  
PATENT NUMBER: 6695036 ISSUE DATE: 02/24/2004  
TITLE: METHOD FOR PRODUCING A CAST PART, MODEL MOLD, AND CERAMIC INSERT FOR USE IN THIS METHOD

✓ SERIAL NUMBER: 10014349 FILING DATE: 12/14/2001  
PATENT NUMBER: 6739593 ISSUE DATE: 05/25/2004  
TITLE: DEVICE FOR REDUCING THE SEALING GAP BETWEEN A ROTATING COMPONENT AND A STATIONARY COMPONENT INSIDE A ROTARY TURBO-ENGINE THROUGH WHICH A FLOW PASSES AXIALLY

✓ SERIAL NUMBER: 09996683 FILING DATE: 11/30/2001  
PATENT NUMBER: 6647602 ISSUE DATE: 11/18/2003  
TITLE: FIXATION DEVICE FOR BLADING OF A TURBO-MACHINE

SERIAL NUMBER: 10002141 FILING DATE: 12/05/2001

✓ PATENT NUMBER: ISSUE DATE:

TITLE: COMPONENT OF A FLOW MACHINE, WITH INSPECTION APERTURE

✓ SERIAL NUMBER: 10002136 FILING DATE: 12/05/2001

PATENT NUMBER: 6705383 ISSUE DATE: 03/16/2004

TITLE: PROCESS FOR THE RAPID PRODUCTION OF HOLLOW COMPONENTS OF FLOW MACHINES FOR MANUFACTURING DEVELOPMENT

✓ SERIAL NUMBER: 10003231 FILING DATE: 12/06/2001

PATENT NUMBER: 6640597 ISSUE DATE: 11/04/2003

TITLE: METHOD FOR REDUCING VARIANCE IN THE COOLANT CONSUMPTION OF COMPONENTS OF A TURBO-MACHINE

✓ SERIAL NUMBER: 10002149 FILING DATE: 12/05/2001

PATENT NUMBER: ISSUE DATE:

TITLE: FLOW MACHINE AND PROCESS OF OPERATION

✓ SERIAL NUMBER: 10006725 FILING DATE: 12/10/2001

PATENT NUMBER: 6634859 ISSUE DATE: 10/21/2003

TITLE: APPARATUS AND PROCESS FOR IMPINGEMENT COOLING OF A COMPONENT EXPOSED TO HEAT IN A FLOW POWER MACHINE

✓ SERIAL NUMBER: 10003230 FILING DATE: 12/06/2001

PATENT NUMBER: 6640545 ISSUE DATE: 11/04/2003

TITLE: BURNER WITH HIGH FLAME STABILITY

✓ SERIAL NUMBER: 10627874 FILING DATE: 07/28/2003

PATENT NUMBER: ISSUE DATE:

TITLE: BURNER WITH HIGH FLAME STABILITY

✓ SERIAL NUMBER: 10012304 FILING DATE: 12/12/2001

PATENT NUMBER: ISSUE DATE:

TITLE: PROCESS FOR NONLINEAR PROCESSING AND IDENTIFICATION OF INFORMATION

✓ SERIAL NUMBER: 10006222 FILING DATE: 12/10/2001

PATENT NUMBER: ISSUE DATE:

TITLE: BURNER FOR THE PRODUCTION OF A HOT GAS

✓ SERIAL NUMBER: 10160239 FILING DATE: 06/04/2002

PATENT NUMBER: 6761032 ISSUE DATE: 07/13/2004

TITLE: FUEL SUPPLY SYSTEM AND AN ASSOCIATED OPERATING METHOD

✓ SERIAL NUMBER: 10199027 FILING DATE: 07/22/2002

PATENT NUMBER: ISSUE DATE:

TITLE: METHOD AND DEVICE FOR PREVENTING DEPOSITS IN STEAM SYSTEMS

✓ SERIAL NUMBER: 10106105 FILING DATE: 03/27/2002

PATENT NUMBER: ISSUE DATE:

TITLE: METHOD FOR THE PREVENTION OF DEPOSITS IN STEAM SYSTEMS

✓ SERIAL NUMBER: 09843836 FILING DATE: 04/30/2001

PATENT NUMBER: ISSUE DATE:

TITLE: CATALYTICALLY OPERATING BURNER

SERIAL NUMBER: 10094707 FILING DATE: 03/12/2002  
PATENT NUMBER: 6753504 ISSUE DATE: 06/22/2004  
✓ TITLE: METHOD FOR WELDING TOGETHER TWO PARTS WHICH ARE EXPOSED TO  
DIFFERENT TEMPERATURES, AND TURBOMACHINE PRODUCED USING A METHOD OF  
THIS TYPE

*Abandoned*  
SERIAL NUMBER: 10107050 FILING DATE: 03/28/2002  
PATENT NUMBER: ISSUE DATE:  
TITLE: SANDWICH STRUCTURE BETWEEN METALLIC AND NON-METALLIC MATERIALS

✓ SERIAL NUMBER: 10067284 FILING DATE: 02/07/2002  
PATENT NUMBER: 6729142 ISSUE DATE: 05/04/2004  
TITLE: THERMAL TURBOMACHINE AND PROCESS FOR IGNITING THE THERMAL  
TURBOMACHINE

✓ SERIAL NUMBER: 10067285 FILING DATE: 02/07/2002  
PATENT NUMBER: 6691518 ISSUE DATE: 02/17/2004  
TITLE: PROCESS FOR THE OPERATION OF AN ANNULAR COMBUSTION CHAMBER, AND  
ANNULAR COMBUSTION CHAMBER

✓ SERIAL NUMBER: 10199058 FILING DATE: 07/22/2002  
PATENT NUMBER: ISSUE DATE:  
TITLE: PREMIX BURNER WITH HIGH FLAME STABILITY

✓ SERIAL NUMBER: 10101321 FILING DATE: 03/20/2002  
PATENT NUMBER: ISSUE DATE:  
TITLE: ROTOR FOR A TURBOMACHINE, AND PROCESS FOR PRODUCING A ROTOR OF THIS  
TYPE

✓ SERIAL NUMBER: 10055957 FILING DATE: 01/28/2002  
PATENT NUMBER: ISSUE DATE:  
TITLE: DEVICE FOR GENERATOR DIAGNOSIS WITH BUILT-IN ROTOR

✓ SERIAL NUMBER: 10200282 FILING DATE: 07/23/2002  
PATENT NUMBER: 6714020 ISSUE DATE: 03/30/2004  
TITLE: PROTECTIVE AND MONITORING APPARATUS FOR A GENERATOR, AND USE OF  
SUCH A PROTECTIVE AND MONITORING APPARATUS

✓ SERIAL NUMBER: 10095519 FILING DATE: 03/13/2002  
PATENT NUMBER: 6718773 ISSUE DATE: 04/13/2004  
TITLE: METHOD FOR IGNITING A THERMAL TURBOMACHINE

✓ SERIAL NUMBER: 10119937 FILING DATE: 04/11/2002  
PATENT NUMBER: 6715364 ISSUE DATE: 04/06/2004  
TITLE: METHOD FOR DETERMINING THE ELASTO-PLASTIC BEHAVIOR OF COMPONENTS  
CONSISTING OF ANISOTROPIC MATERIAL, AND APPLICATION OF THE PROCESS

✓ SERIAL NUMBER: 10372331 FILING DATE: 02/25/2003  
PATENT NUMBER: ISSUE DATE:  
TITLE: GAP SEAL IN A GAS TURBINE

SERIAL NUMBER: 10358312 FILING DATE: 02/05/2003  
PATENT NUMBER: ISSUE DATE:  
✓ TITLE: METHOD FOR THE REDUCTION OF COMBUSTION-DRIVEN OSCILLATIONS IN  
COMBUSTION SYSTEMS AND PREMIXING BURNER FOR CARRYING OUT THE METHOD

SERIAL NUMBER: 10183853 FILING DATE: 06/28/2002  
✓ PATENT NUMBER: ISSUE DATE:  
TITLE: BASE MATERIAL WITH COOLING AIR HOLE

SERIAL NUMBER: 10187004 FILING DATE: 07/02/2002  
✓ PATENT NUMBER: 6647624 ISSUE DATE: 11/18/2003  
TITLE: METHOD OF FITTING AN IMPINGEMENT PLATE

SERIAL NUMBER: 10022742 FILING DATE: 12/20/2001  
✓ PATENT NUMBER: ISSUE DATE:  
TITLE: CATALYZER

SERIAL NUMBER: 10202170 FILING DATE: 07/25/2002  
✓ PATENT NUMBER: ISSUE DATE:  
TITLE: COATING PROCESS AND COATED BASE MATERIAL

SERIAL NUMBER: 10211352 FILING DATE: 08/05/2002  
✓ PATENT NUMBER: ISSUE DATE:  
TITLE: PROCESS FOR TREATING A COATED GAS TURBINE PART, AND COATED GAS  
TURBINE PART

*Handwritten:*  
SERIAL NUMBER: 09988309 FILING DATE: 11/19/2001  
PATENT NUMBER: ISSUE DATE:  
TITLE: METHOD FOR NON-LINEAR DOCUMENT EVALUATION

✓ SERIAL NUMBER: 10357378 FILING DATE: 02/04/2003  
PATENT NUMBER: ISSUE DATE:  
TITLE: EXHAUST GAS HOUSING OF A THERMAL ENGINE

✓ SERIAL NUMBER: 09993545 FILING DATE: 11/27/2001  
PATENT NUMBER: 6644012 ISSUE DATE: 11/11/2003  
TITLE: GAS TURBINE SET

✓ SERIAL NUMBER: 10635668 FILING DATE: 08/07/2003  
PATENT NUMBER: ISSUE DATE:  
TITLE: GAS TURBINE SET

✓ SERIAL NUMBER: 09989657 FILING DATE: 11/21/2001  
PATENT NUMBER: 6640550 ISSUE DATE: 11/04/2003  
TITLE: GAS TURBO-GROUP

✓ SERIAL NUMBER: 10071077 FILING DATE: 02/11/2002  
PATENT NUMBER: 6713722 ISSUE DATE: 03/30/2004  
TITLE: ROTOR AND METHOD FOR WELDING AN ELEMENT OF A ROTOR

✓ SERIAL NUMBER: 10214344 FILING DATE: 08/08/2002  
PATENT NUMBER: 6708500 ISSUE DATE: 03/23/2004  
TITLE: TURBOGROUP OF A POWER GENERATING PLANT



SERIAL NUMBER: 10631846 FILING DATE: 08/01/2003  
PATENT NUMBER: ISSUE DATE:  
✓ TITLE: METHOD OF PROTECTING A LOCAL AREA OF A COMPONENT

SERIAL NUMBER: 09754188 FILING DATE: 01/05/2001  
PATENT NUMBER: 6534975 ISSUE DATE: 03/18/2003  
TITLE: NONDESTRUCTIVE METHOD FOR DETERMINING THE THICKNESS OF A METALLIC PROTECTIVE LAYER ON A METALLIC BASE MATERIAL VIA A DIFFERENT TYPE OF LAYER BETWEEN THE METALLIC PROTECTIVE LAYER AND THE METALLIC BASE MATERIAL

SERIAL NUMBER: 09758188 FILING DATE: 01/12/2001  
PATENT NUMBER: 6379118 ISSUE DATE: 04/30/2002  
TITLE: COOLED BLADE FOR A GAS TURBINE

SERIAL NUMBER: 09758186 FILING DATE: 01/12/2001  
PATENT NUMBER: 6449954 ISSUE DATE: 09/17/2002  
TITLE: PROCESS AND APPARATUS FOR THE RECOVERY OF WATER FROM THE FLUE GAS OF A COMBINED CYCLE POWER STATION, AND COMBINED CYCLE POWER STATION FOR PERFORMING THE PROCESS

SERIAL NUMBER: 09731928 FILING DATE: 12/08/2000  
PATENT NUMBER: 6497101 ISSUE DATE: 12/24/2002  
TITLE: METHOD FOR REGULATING THE STEAM TEMPERATURE OF THE LIVE STEAM OR REHEATER STEAM IN A COMBINED-CYCLE POWER PLANT.

SERIAL NUMBER: 10267862 FILING DATE: 10/10/2002  
PATENT NUMBER: 6615575 ISSUE DATE: 09/09/2003  
TITLE: APPARATUS FOR REGULATING THE STEAM TEMPERATURE OF THE LIVE STEAM OR REHEATER STEAM IN A COMBINED-CYCLE POWER PLANT

SERIAL NUMBER: 09729274 FILING DATE: 12/05/2000  
PATENT NUMBER: 6598399 ISSUE DATE: 07/29/2003  
TITLE: INTEGRATED POWER PLANT AND METHOD OF OPERATING SUCH AN INTEGRATED POWER PLANT

SERIAL NUMBER: 09774082 FILING DATE: 01/31/2001  
PATENT NUMBER: 6439847 ISSUE DATE: 08/27/2002  
TITLE: AIR-COOLED TURBINE BLADE

SERIAL NUMBER: 09790703 FILING DATE: 02/23/2001  
PATENT NUMBER: 6470568 ISSUE DATE: 10/29/2002  
TITLE: METHOD FOR REPAIRING A GAS TURBINE COMPONENT

SERIAL NUMBER: 09790904 FILING DATE: 02/23/2001  
PATENT NUMBER: 6625521 ISSUE DATE: 09/23/2003  
TITLE: POWER STATION SYSTEM WITH SHARED STATIC STARTING DEVICE

SERIAL NUMBER: 09799117 FILING DATE: 03/06/2001  
PATENT NUMBER: 6531028 ISSUE DATE: 03/11/2003  
TITLE: METHOD FOR FIXING A CERAMIC COMPONENT IN A METALLIC SUPPORT

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SERIAL NUMBER: 09805995 FILING DATE: 03/15/2001  
PATENT NUMBER: 6455977 ISSUE DATE: 09/24/2002  
TITLE: ELECTRIC MACHINE

SERIAL NUMBER: 09800777 FILING DATE: 03/08/2001  
PATENT NUMBER: 6450769 ISSUE DATE: 09/17/2002  
TITLE: BLADE ASSEMBLY WITH DAMPING ELEMENTS

SERIAL NUMBER: 09821090 FILING DATE: 03/30/2001  
PATENT NUMBER: 6484511 ISSUE DATE: 11/26/2002  
TITLE: TURBINE CASING FOR AN AXIAL-THROUGHFLOW GAS TURBINE

SERIAL NUMBER: 09821091 FILING DATE: 03/30/2001  
PATENT NUMBER: 6588103 ISSUE DATE: 07/08/2003  
TITLE: TIP MATERIAL FOR A TURBINE BLADE AND METHOD OF MANUFACTURING OR  
REPAIRING A TIP OF A TURBINE BLADE

SERIAL NUMBER: 09820679 FILING DATE: 03/30/2001  
PATENT NUMBER: 6565317 ISSUE DATE: 05/20/2003  
TITLE: PLATELIKE PROJECTING COMPONENT PORTION OF A GAS TURBINE

SERIAL NUMBER: 09820680 FILING DATE: 03/30/2001  
PATENT NUMBER: 6596248 ISSUE DATE: 07/22/2003  
TITLE: METHOD FOR REMOVING CARBON DIOXIDE FROM EXHAUST GAS

SERIAL NUMBER: 09832839 FILING DATE: 04/12/2001  
PATENT NUMBER: 6571471 ISSUE DATE: 06/03/2003  
TITLE: METHOD AND DEVICE FOR DEMOUNTING A TURBINE BLADE

SERIAL NUMBER: 09849982 FILING DATE: 05/08/2001  
PATENT NUMBER: 6519927 ISSUE DATE: 02/18/2003  
TITLE: METHOD FOR OPERATING A COMBINATION POWER PLANT AND COMBINATION  
POWER PLANT FOR EXECUTING THE METHOD

SERIAL NUMBER: 09832846 FILING DATE: 04/12/2001  
PATENT NUMBER: 6478544 ISSUE DATE: 11/12/2002  
TITLE: BLADE ARRANGEMENT WITH DAMPING ELEMENTS

SERIAL NUMBER: 09609052 FILING DATE: 06/30/2000  
PATENT NUMBER: 6413044 ISSUE DATE: 07/02/2002  
TITLE: BLADE COOLING IN GAS TURBINE

SERIAL NUMBER: 09836297 FILING DATE: 04/18/2001  
PATENT NUMBER: 6412541 ISSUE DATE: 07/02/2002  
TITLE: PROCESS FOR PRODUCING A THERMALLY LOADED CASTING

SERIAL NUMBER: 09628328 FILING DATE: 07/28/2000  
PATENT NUMBER: 6431825 ISSUE DATE: 08/13/2002  
TITLE: SEAL BETWEEN STATIC TURBINE PARTS

SERIAL NUMBER: 09864395 FILING DATE: 05/25/2001  
PATENT NUMBER: 6634457 ISSUE DATE: 10/21/2003  
TITLE: APPARATUS FOR DAMPING ACOUSTIC VIBRATIONS IN A COMBUSTOR

SERIAL NUMBER: 09848322 FILING DATE: 05/04/2001  
PATENT NUMBER: 6464804 ISSUE DATE: 10/15/2002  
TITLE: MARTENSITIC-HARDENABLE HEAT-TREATED STEEL WITH IMPROVED RESISTANCE  
TO HEAT AND DUCTILITY

SERIAL NUMBER: 09867625 FILING DATE: 05/31/2001  
PATENT NUMBER: 6623790 ISSUE DATE: 09/23/2003  
TITLE: METHOD OF ADJUSTING THE SIZE OF COOLING HOLES OF A GAS TURBINE  
COMPONENT

SERIAL NUMBER: 09870502 FILING DATE: 06/01/2001  
PATENT NUMBER: 6569492 ISSUE DATE: 05/27/2003  
TITLE: PROCESS FOR REPAIRING A COATED COMPONENT

SERIAL NUMBER: 09873188 FILING DATE: 06/05/2001  
PATENT NUMBER: 6532744 ISSUE DATE: 03/18/2003  
TITLE: METHOD FOR COOLING A GAS TURBINE SYSTEM AND A GAS TURBINE SYSTEM  
FOR PERFORMING THIS METHOD

SERIAL NUMBER: 09887009 FILING DATE: 06/25/2001  
PATENT NUMBER: 6575693 ISSUE DATE: 06/10/2003  
TITLE: LABYRINTH SEAL FOR ROTATING SHAFT

SERIAL NUMBER: 09921587 FILING DATE: 08/06/2001  
PATENT NUMBER: 6435256 ISSUE DATE: 08/20/2002  
TITLE: METHOD FOR PRODUCING A COOLED, LOST-WAX CAST PART

SERIAL NUMBER: 09897477 FILING DATE: 07/03/2001  
PATENT NUMBER: 6575698 ISSUE DATE: 06/10/2003  
TITLE: SEALING OF A THERMAL TURBOMACHINE

SERIAL NUMBER: 09917906 FILING DATE: 07/31/2001  
PATENT NUMBER: 6533546 ISSUE DATE: 03/18/2003  
TITLE: LOW-PRESSURE STEAM TURBINE WITH MULTI-CHANNEL DIFFUSER

SERIAL NUMBER: 09932094 FILING DATE: 08/20/2001  
PATENT NUMBER: 6599121 ISSUE DATE: 07/29/2003  
TITLE: PREMIX BURNER

SERIAL NUMBER: 09977295 FILING DATE: 10/16/2001  
PATENT NUMBER: 6519170 ISSUE DATE: 02/11/2003  
TITLE: METHOD FOR OPERATING A MATRIX CONVERTER AND MATRIX CONVERTER FOR  
IMPLEMENTING THE METHOD

SERIAL NUMBER: 09977195 FILING DATE: 10/16/2001  
PATENT NUMBER: 6592326 ISSUE DATE: 07/15/2003  
TITLE: CONNECTING STATOR ELEMENTS

SERIAL NUMBER: 09984204 FILING DATE: 10/29/2001  
PATENT NUMBER: 6547525 ISSUE DATE: 04/15/2003  
TITLE: COOLED COMPONENT, CASTING CORE FOR MANUFACTURING SUCH A COMPONENT,  
AS WELL AS METHOD FOR MANUFACTURING SUCH A COMPONENT

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SERIAL NUMBER: 09949636 FILING DATE: 09/12/2001  
PATENT NUMBER: 6514041 ISSUE DATE: 02/04/2003  
TITLE: CARRIER FOR GUIDE VANE AND HEAT SHIELD SEGMENT

SERIAL NUMBER: 09987129 FILING DATE: 11/13/2001  
PATENT NUMBER: 6623241 ISSUE DATE: 09/23/2003  
TITLE: LOW-PRESSURE STEAM TURBINE

SERIAL NUMBER: 09987128 FILING DATE: 11/13/2001  
PATENT NUMBER: 6558154 ISSUE DATE: 05/06/2003  
TITLE: BURNER SYSTEM WITH STAGED FUEL INJECTION AND METHOD FOR ITS OPERATION

SERIAL NUMBER: 09988307 FILING DATE: 11/19/2001  
PATENT NUMBER: 6546729 ISSUE DATE: 04/15/2003  
TITLE: DAMPER ARRANGEMENT FOR REDUCING COMBUSTION-CHAMBER PULSATIONS

SERIAL NUMBER: 09988308 FILING DATE: 11/19/2001  
PATENT NUMBER: 6558116 ISSUE DATE: 05/06/2003  
TITLE: GAS-COOLED MACHINE, IN PARTICULAR A TURBO-GENERATOR

SERIAL NUMBER: 09996692 FILING DATE: 11/30/2001  
PATENT NUMBER: 6572334 ISSUE DATE: 06/03/2003  
TITLE: ROTOR OF A DIRECTLY GAS-COOLED ELECTRICAL TURBOMACHINE

SERIAL NUMBER: 09991966 FILING DATE: 11/26/2001  
PATENT NUMBER: 6550336 ISSUE DATE: 04/22/2003  
TITLE: PROBE FOR MEASURING PRESSURE OSCILLATIONS

SERIAL NUMBER: 09991969 FILING DATE: 11/26/2001  
PATENT NUMBER: 6625988 ISSUE DATE: 09/30/2003  
TITLE: PREMIX BURNER ARRANGEMENT WITH CATALYTIC COMBUSTION AS WELL AS METHOD FOR ITS OPERATION

SERIAL NUMBER: 10013666 FILING DATE: 12/13/2001  
PATENT NUMBER: 6595750 ISSUE DATE: 07/22/2003  
TITLE: COMPONENT OF A FLOW MACHINE

SERIAL NUMBER: 10145044 FILING DATE: 05/15/2002  
PATENT NUMBER: 6572366 ISSUE DATE: 06/03/2003  
TITLE: BURNER SYSTEM

SERIAL NUMBER: 10002117 FILING DATE: 12/05/2001  
PATENT NUMBER: 6592685 ISSUE DATE: 07/15/2003  
TITLE: TRANSFORMATION CONTROLLED NITRIDE PRECIPITATION HARDENING HEAT TREATABLE STEEL

SERIAL NUMBER: 10006221 FILING DATE: 12/10/2001  
PATENT NUMBER: 6615588 ISSUE DATE: 09/09/2003  
TITLE: ARRANGEMENT FOR USING A PLATE SHAPED ELEMENT WITH THROUGH-OPENINGS FOR COOLING A COMPONENT

SERIAL NUMBER: 10006379 FILING DATE: 12/10/2001  
PATENT NUMBER: 6638012 ISSUE DATE: 10/28/2003  
TITLE: PLATFORM ARRANGEMENT IN AN AXIAL-THROUGHFLOW GAS TURBINE WITH  
IMPROVED COOLING OF THE WALL SEGMENTS AND A METHOD FOR REDUCING THE  
GAP LOSSES

SERIAL NUMBER: 10006708 FILING DATE: 12/10/2001  
PATENT NUMBER: 6551386 ISSUE DATE: 04/22/2003  
TITLE: OXYGEN SEPARATION DEVICE

SERIAL NUMBER: 10006696 FILING DATE: 12/10/2001  
PATENT NUMBER: 6599083 ISSUE DATE: 07/29/2003  
TITLE: COOLING SYSTEM AND METHOD FOR COOLING A TURBO-MACHINE HOUSING

SERIAL NUMBER: 09975325 FILING DATE: 10/12/2001  
PATENT NUMBER: 6497098 ISSUE DATE: 12/24/2002  
TITLE: METHOD AND DEVICE FOR GENERATING HOT COMBUSTION WASTE GASES

SERIAL NUMBER: 09975307 FILING DATE: 10/12/2001  
PATENT NUMBER: 6510693 ISSUE DATE: 01/28/2003  
TITLE: METHOD AND DEVICE FOR PRODUCING HOT WORKING GASES

SERIAL NUMBER: 09976041 FILING DATE: 10/15/2001  
PATENT NUMBER: 6499300 ISSUE DATE: 12/31/2002  
TITLE: METHOD FOR OPERATING A POWER PLANT

SERIAL NUMBER: 09877083 FILING DATE: 06/11/2001  
PATENT NUMBER: 6527514 ISSUE DATE: 03/04/2003  
TITLE: TURBINE BLADE WITH RUB TOLERANT COOLING CONSTRUCTION

SERIAL NUMBER: 09877042 FILING DATE: 06/11/2001  
PATENT NUMBER: 6616406 ISSUE DATE: 09/09/2003  
TITLE: AIRFOIL TRAILING EDGE COOLING CONSTRUCTION

SERIAL NUMBER: 09884018 FILING DATE: 06/20/2001  
PATENT NUMBER: 6602052 ISSUE DATE: 08/05/2003  
TITLE: AIRFOIL TIP SQUEALER COOLING CONSTRUCTION

SERIAL NUMBER: 10135007 FILING DATE: 04/30/2002  
PATENT NUMBER: 6638055 ISSUE DATE: 10/28/2003  
TITLE: DEVICE FOR BURNING A GASEOUS FUEL/OXIDANT MIXTURE

SERIAL NUMBER: 10132478 FILING DATE: 04/26/2002  
PATENT NUMBER: 6609905 ISSUE DATE: 08/26/2003  
TITLE: CATALYTIC BURNER

SERIAL NUMBER: 10187619 FILING DATE: 07/03/2002  
PATENT NUMBER: 6637720 ISSUE DATE: 10/28/2003  
TITLE: COMPONENT FOR HOLDING DOWN MEASURING LEADS

SERIAL NUMBER: 09996693 FILING DATE: 11/30/2001  
PATENT NUMBER: 6589011 ISSUE DATE: 07/08/2003  
TITLE: DEVICE FOR COOLING A SHROUD OF A GAS TURBINE BLADE

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SERIAL NUMBER: 10105347  
PATENT NUMBER: 6626637  
TITLE: COOLING METHOD FOR TURBINES

FILING DATE: 03/26/2002  
ISSUE DATE: 09/30/2003

SERIAL NUMBER: 09993673  
PATENT NUMBER: 6523346  
TITLE: PROCESS FOR CONTROLLING THE COOLING AIR MASS FLOW OF A GAS TURBINE SET

FILING DATE: 11/27/2001  
ISSUE DATE: 02/25/2003

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